

Ref#	Title	Proposer	
98-001	Refining Regional Seismic Velocity Models to Improve the Locating and Source Characterization of Low-Magnitude Events	Woodward-Clyde	
98-002	Station Calibration and Regionalization in China and Surrounding Regions from local Chinese Seismic Data	New Mexico State University	
98-003	Path Calibration and Source Characterization in the Indian Sub-Continent and Surrounding Areas Using Regional Seismograms	Woodward-Clyde	
98-004	Collaborative Research on Seismic Detection and Verification Under the CTBT	Purdue Research Foundation	
98-005	Reduction of False Alarm Rates for Nuclear Explosions Using Wavelet Time-Frequency Signal Analysis, High Resolution Regional Tomographic Mapping and Source Localization	University of Rhode Island	
98-006	Regional Seismic Wave Propagation in Heterogeneous Media	University of Washington	
98-007	Physical Basis and Improved Criteria for Phase Spectral Ratio Discriminants	Columbia University	
98-008	Path Calibration and Source Characterization in the Middle East	Woodward-Clyde Federal Services	
98-009	Crustal Anisotropy, P-Coda and Seismic Wave Scattering	Yale University	
98-010	Grid-Based Algorithms for Seismic Phase Association and Event Location	Massachusetts Institute of Technology	
98-011	Improved Event Location In North Korea Using South Korean Network Data	Maxwell Technologies, Inc.	
98-012	Seismic Characterization and Velocity Structure of Northeast Russia	Michigan State University	
98-013	Seismic Wave Propagation in the Baikal Rift Region of Central Asia	Pennsylvania State University	
98-014	Determination of Source Depth and Other Discriminants in Near-Real Time From Regional Observations and the Use of Reciprocity to Calibrate Travel Times for Selected Areas of Interest	Pennsylvania State University	
98-015	Synergy Through Advanced Modeling and Processing (STAMP)	Delfin Systems	
98-016	Improved Automated Event Processing in Seismic Arrays by Complementary Pattern Recognition	Shalheveth Freier Center	
98-017	Empirical Green's Functions and Source-Receiver Reciprocity From Chemical Blasts	University of Illinois	
98-018	Research Into Problems of Event Association and Phase Identification		
98-019	Detection, Characterization, and Enhancement of Seismic Surface Waves	University of California - San Diego	
98-020	Seismic Discrimination Between Earthquakes and Explosions Using Wavelet Analysis with Application to the Middle East	Tel Aviv University	
98-021	Seismic and Hydroacoustic Data Fusion T-PHASE Data Analysis and Modeling	SAIC	
98-022	Seismic Event Location Analysis with Ground-Truth Datasets	University of Wisconsin-Madison	
98-023	Monitoring Synergy: Integrating Seismic and Infrasonic Wave Arrivals	Florida Institute of Technology	
98-024	Source Constraints from Waveform Data	California Institute of Technology	
98-025	Seismic Conversions on the Island of Hawaii for T Phases From Polynesian Nuclear Test	Northwestern University	
98-026	Shear Wave Generation from Contained Explosions	California Institute of Technology	
98-027	Broadband Seismic Studies on the Arabian Shield	University of California - San Diego	
98-028	Estimation of Uncertainties in Location and Other Identification Parameters Using Combined Monitoring Technologies	Maxwell Technologies, Inc.	
98-029	Improved Signal-to-Noise Ratios of Seismic Events Using Wavelet Packet Filtering Techniques	Boston College	
98-030	Fine-Scale Structure of the Crust and Upper Mantle Structure from IMS Data	Massachusetts Institute of Technology	
98-031	Calibration of IMS Stations in South America	Woodward-Clyde Federal Systems	
98-032	Calibration of Event Locations Using Synthetic Aperture Radar	San Diego State University Foundation	
98-033	Estimating Lithospheric Heterogeneity and its Influence of Regional Seismic Phases	Rice University	
98-034	A Systematic Investigation of Explosion and Earthquake Generated Regional Seismic Phases in the Oceanic Crust; Working Towards the Detection and Discrimination of Small Nuclear Tests	University of California - San Diego	
98-035	Tomographic Mapping of Regional Wave Attenuation and Blockage on Continents	Columbia University	
98-036	Crust and Lithosphere Models for Global Modeling of Regional Phases	University of California - San Diego	
98-037	Seismic Characterization of North Africa	University of Arizona	
98-038	Collection and Analysis of Regional Seismic Data for Underground Explosions	Mission Research Corporation	
98-039	Regionalized Velocity Models and Improved Event Locations for Pakistan and the Surrounding Region	Weston Geophysical Corporation	
98-040	Identification of Large Mining Explosions at all Regional Distances Using IMS Low-Frequency Seismic Recordings	University of California - San Diego	
98-041	An Optical Fiber Infrasonic Sensor	University of California - San Diego	

98-042	Improved Polarization Analysis for Phase Identification for Regional and Teleseismic Signals	University of California - Santa Cruz	
98-043	High-Resolution Seismic Array Experiments in NE China and the Korean Peninsula	University of Memphis	
98-044	A Visual Data Analysis and Data Mining System for Seismic Monitoring of a Nuclear Test Ban	Multimax, Inc.	
98-045	Improved Calibration and Discrimination of Small Seismic Events in the Middle East	Multimax, Inc.	
98-046	Deployment of a Regional Seismic Monitoring Network in Northeast China	Multimax, Inc.	
98-047	A Ground Truth Database for Regional Seismic Research	Multimax, Inc.	
98-048	Effects of Mining Activity in Northeast China on the Seismic Monitoring of a Nuclear Test Ban	Multimax, Inc.	
98-049	Improving the SNR of Regional Seismic Data with Adaptive Signal Processing Techniques	BBN Technologies	
98-050	CTBT Monitoring in Rockburst Regions	Maxwell Technologies, Inc.	
98-051	Improved Methods for Regionalized Surface Wave Analysis	Maxwell Technologies, Inc.	
98-052	Statistical Methods for Monitoring the Comprehensive Nuclear Test Ban Treaty	Southern Methodist University	
98-053	Enhanced Depth Determination Using Cepstral Techniques	Weston Geophysical Corporation	
98-054	System for the Identification of Shallow Underwater Explosions Using Land-Based Regional Seismic Arrays	ENSCO, Inc.	
98-055	CTBT Seismic Monitoring Issues at Local Distance Ranges	University of Bergen	
98-056	Three-Dimensional Imaging of Mantle Velocity and Attenuation and Lg Study in Northern Eurasia Using Deep Seismic Sounding Data	University of Wyoming	
98-057	Joint Inversion of Receiver Functions and Surface-Wave Dispersion for Local Crustal Structure in the Mideast	Saint Louis University	
98-058	Regional Event Characterization Potential by Joint Use of Surface Broadband and Borehole High-Frequency Networks	University of California - Berkeley	
98-059	Nonlinear Dynamic Signal Processing for Analysis of Seismic Sensor Data	University of New Hampshire	
98-060	Scattering from Tunnels Near Sources and their Effects on Seismic Signatures of Explosions	Massachusetts Institute of Technology	
98-061	A Global Approach to Depth Location of Events (Mw=4) and Source Characterization Down to Mw3.5	Woodward-Clyde Federal Systems	
98-062	Path Corrections for Regional Phase Discriminants	University of California - Santa Cruz	
98-063	Seismic Source and Wave Propagation Studies at a Test Facility in Wyoming	University of Texas at El Paso	
98-064	Monitoring Synergy	A.M. Obukhov Institute of Atmospheric Physics	
98-065	Experiments in Improving Regional Earthquake Locations	University of California - San Diego	
98-066	Improving Earthquake Locations Beneath Oceans Using Geological Constraints	University of California - San Diego	
98-067	Mo:mb Scaling and Seismic Velocity Regionalization for Improved Seismic Discrimination in the Middle East	University of California - Santa Cruz	
98-068	Processing Technique for Automated Regional CTBT Monitoring in Condition of Strong Seismic Noise Based on Data from Seismic Arrays and Local Networks	SYNAPSE Science Center	
98-069	Seismic Event Location and Regional Wave Propagation in the Middle East and Global GIS Database Development	Cornell University	
98-070	Feasibility of the Use of 3D Models to Improve Regional Locations in W.China, Central Asia, and parts of the Middle East	University of Colorado	
98-071	Improving the Location of Seismic Events Using Regional and Teleseismic Data and the Joint Hypocenter Determination Technique	University of Memphis	
98-072	Empirical Seismo-Acoustic Studies for Calibration and Identification Capabilities at IMS Array Sites	Southern Methodist University	
98-073	Development of Event Screening Procedures	Australian Geological Survey Organisation	
98-074	Investigation and Development of Special Event Characterization Methods	ENSCO, Inc.	
98-075	Probabilistic Integration of Seismic, Hydroacoustic and Infrasonic Data in Discrimination Schemes	ENSCO, Inc.	
98-076	Very Broadband Seismic Analysis of Crust and Upper-Mantle Structure in Eastern Europe and the Middle East	Georgia Institute of Technology	
98-077	Explosions in Cavities in the Presence of Complex Source Environment and its Bearing on a CTBT	Boston College	
98-078	Location of Nuclear Explosions Using Direct and Inverse Methods	JG Engineering	
98-079	Lateral Variation of Seismic, Hydroacoustic, and Infrasonic Waveguides: Applications of Ray Theory for CTBT Monitoring	University of Connecticut	

98-080	Infrasonic Array Evaluation Cape Canaveral, Florida	ENSCO, Inc.	
98-081	Source Location Algorithms for Infrasonic CTBT	University of Alaska - Fairbanks	
98-082	Automatic Interpretation of Seismic Signals Using the CUSUM-SA Algorithm	ENSCO, Inc.	
98-083	Characterization of Natural and Human-Related Seismicity in South Africa	Massachusetts Institute of Technology	
98-084	Detection of Oceanic Events at T-Phase and Seismic Stations: Observations and Modeling	University of California - San Diego	